



1.2  
Surveillance and Monitoring Technology  
Worl/Paffett

1.2.1  
ISP Coordination  
PI Vacant (PL Worl)

1.2.2  
Container Performance  
PI Puglisi (Worl)

1.2.3  
Data Collection and Analysis  
PI Watts (PL Worl)

1.2.4  
Shelf-Life Studies  
PI Worl ( Worl)

1.2.5  
Outer 3013 Container Surveillance  
PIs Dunn/Lillard (PL Paffett)

1.2.6  
3013 Container Pressure Measurements  
PI Szempruch/Rennie (PL Paffett)

1.2.7  
Container & Materials Interactions  
PIs Lillard/Joyce/Tandon (PL Paffett)

1.2.8  
Gas Generation and Modeling  
PIs Kelly /Livingston (PL Paffett)

1.2.1  
ISP Coordination  
PI Vacant

1.2.2  
Container Performance  
PI Puglisi

1.2.3  
Data Collection and Analysis  
PI Watts

1.2.4  
Shelf Life Studies  
PI Worl

Scope: Providing support to the storage sites by:  
Leading the Integrated Surveillance Program  
Monitoring containers and material for early identification of failure mechanisms  
Management of complex-wide database

Issues:

Gas Generation

Corrosion

Coordination of surveillance activities

Benefit: The work provides integration of surveillance activities and for early identification of container failure mechanisms. 100% surveillance of 3013 containers will not be required at the sites, thus eliminating high surveillance costs and worker exposure issues.

1.2.5  
Outer 3013 Container  
Surveillance  
PIs Dunn/Lillard

1.2.6  
Container Pressure  
Measurements  
PIs Szempruch/Rennie

1.2.7  
Container and Materials  
Interactions  
PIs Lillard/Joyce/Tandon

1.2.8  
Gas Generation and  
Modeling  
PIs Livingstone/Kelly

Scope: Providing support to the storage sites by:  
Assessing Corrosion and Pressurization  
Issues relevant to the Integrated Surveillance  
Program

Monitoring containers and material for early  
identification of failure mechanisms

Issues:

Corrosion

Gas Generation

Coordination of corrosion and gas generation  
support activities

Benefit: The work provides surveillance activities  
for early identification and assessment of  
container failure mechanisms. 100%  
surveillance of 3013 containers will not be  
required at the sites, thus eliminating high  
surveillance costs and worker exposure issues.